



BHI CRANKSHAFT DAMPER
COMPUTER DESIGN and VERIFICATION ENGINE
MODEL - DATA QUESTIONNAIRE
Information Required for Engine Model

Commercial Information:

Company Name _____ Date _____
Address _____

Contact Person _____ Phone _____
E-Mail Address _____ Cell Phone _____
Engine Application _____ Damper Price Target _____

Engine Data:

Note: Items marked with * are vital to modeling the engine for an accurate design.
(please, include units of measure, inches, mm, cm, Kw, Hp, Nm, Ft.lbs. Kg, Lbs. Etc.)

*Number of Cylinders _____ *Bore Size _____
*Firing Order _____ *2 or 4 Cycle _____ *Stroke Length _____
*Cylinder Arrangement _____ if V, V-Angle _____
*Operating RPM Range _____ Overspeed RPM _____ *Gas/Diesel _____
*Max Power @ RPM _____ *Max Torque @ RPM _____
DOHC, SOHC, OHV _____ Induction (Carb, FI, S/C, Turbo) _____
*Crank Design: Single or paired con rods _____
Split or shared crank pins _____
Counterweight Symmetrical _____ Non-Symmetrical _____
* print or CAD model of crank attached _____
* what is installed on the crank rear _____
* if known, damper active inertia and frequency _____

*Connecting Rod: Length (Center to Center) _____



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Application Information:

Function(s): _____

Belt grooves: Type: - SAE V-Belt or K section Poly V _____
Effective diameter _____ Qty _____
Attach sketches for two or more belts.

Clearances needed around the damper _____

Expected ambient temperatures (peak, average, low) _____

Hub nose mounting: press fit _____ engagement length _____
bolt size _____ bolt torque & angle _____
washer o.d. _____ lead-in counterbore _____
keyway _____ crank diameter tolerance _____
Service removal requirements _____

Any critical dimensions that must be maintained _____

Special requirements _____

Additional Information, Sketches: